



1/2

FIG. 1

	Working- Example Sample 1	Working- Example Sample 2	Working- Example Sample 3	Working- Example Sample 4	Working- Example Sample 5	Working- Example Sample 6	Comparative- Example Sample 1	Comparative- Example Sample 2
Properties of evaluated samples								
Amount of particles (parts by weight)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Shape of particles	Needle-like	Needle-like	Needle-like	Needle-like	Needle-like	Needle-like	Spherical	Spherical
Material for particles	Wollastonite	Wollastonite	Wollastonite	Wollastonite	Wollastonite	Wollastonite	Silica	Silica
Particle hardness (Mohs hardness)	4.5	4.5	4.5	4.5	4.5	4.5		
Average grain size ( $\mu\text{m}$ )	4	8	13	12	20	40	10	10
Average particle length ( $\mu\text{m}$ )	12	40	78	264	360	640	10	10
Particle content (wt.%)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Coating thickness ( $\mu\text{m}$ )	20	20	20	20	20	20	20	13
Ease of coating	5	5	5	5	4	3	5	5
Ease of cutting Test A	2	3	4	4	4	4	1	3
Adhesive strength	5	5	5	5	5	5	5	1
Overall evaluation	$\Delta$ (12)	$\odot$ (13)	$\odot$ (14)	$\odot$ (14)	$\odot$ (13)	$\Delta$ (12)	$\times$ (11)	$\times$ (9)
Parameter 1	$\odot$	$\odot$	$\odot$	$\odot$	$\odot$	$\odot$	$\times$	$\times$
Parameter 2	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$
Parameter 3	$\times$	$\Delta$ (lower)	$\odot$	$\odot$	$\Delta$ (upper)	$\times$	$\times$	$\times$
Parameter 4	$\odot$	$\odot$	$\odot$	$\odot$	$\odot$	$\odot$	$\times$	$\times$

